

APPENDIX 1A-1

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
M	CFI 1	A	GSP	6 pre	1.91	8	728	H+	52	L	0.4	M+	1	L	1.4	M+	14	M+	44	M	203	H+	525	L	71	H+	6.8	5.7	17.4	0.11	6	2	6.6	47.4	43.3	0.6	56	1782
	CFI 2			6 mid	1.67	14	627	H+	180	H	0.3	M+	1.2	M+	3	M+	119	H+	65	M	191	H+	587	L	80	H+	6.4	5.2	21.6	0.4	11	3.5	4.9	26.4	64.7	0.5	34.8	1868
	CFI 3			6 post	1.72	13	676	H+	54	L	0.2	L-	1.2	M	1.6	L	42	H+	32	L	162	H+	421	L-	45	H	6.6	5.6	2.3	0.09	7	1.6	3.6	28.7	65.4	0.8	33.9	1784
	CFI 4	B	Mod	6 pre	1.67	6	526	H+	53	L	0.4	M+	1.1	M+	1.2	M+	22	H	37	M	167	H+	372	L-	49	H	6.7	5.7	5.9	0.06	6	1.9	5.2	31.5	60.9	0.4	38.6	1847
	CFI 5			6 mid	1.98	11	658	H+	44	L-	0.3	M+	1.4	M+	1.6	M+	25	H	38	M	203	H+	462	L-	82	H+	6.4	5.3	5.7	0.12	10	0.9	3.2	23.2	72.2	0.5	27.3	1838
	CFI 6			6 post	1.95	10	755	H+	97	M+	0.2	L-	1	M	2	L	44	H+	28	L	185	H+	396	L-	62	H+	6.5	5.5	1.7	0.08	8	2.4	2.8	23.4	70.9	0.5	28.6	1727
	CFI 7	A	GSP	12 pre	1.94	6	798	H+	80	L	0.4	M+	1	L	1.8	M+	15	M+	47	M	220	H+	472	L	81	H+	6.7	5.7	8.6	0.07	7	2.6	6	36	55	0.4	44.6	1739
	CFI 8			12 mid	1.92	11	604	H+	104	M	0.2	M	1.1	M+	5.4	H+	45	H+	42	M	188	H+	521	L	80	H+	6.5	5.4	12.5	0.2	9	2.4	3.8	28.2	65	0.5	34.4	1773
	CFI 9			12 post	1.87	12	671	H+	49	L	0.2	L-	1.3	M	1.7	L	49	H+	40	M	164	H+	488	L	49	H	6.6	5.6	2.8	0.12	8	1.4	4.3	31.6	62.1	0.7	37.3	1746
	CFI 10	B	Mod	12 pre	1.61	5	574	H+	54	L	0.3	M+	1	L	1	M	21	H	33	L	163	H+	328	L-	45	H	6.7	5.6	6.8	0.07	6	2	4.9	29	63.7	0.4	35.9	1830
	CFI 11			12 mid	1.75	9	619	H+	57	L	0.2	M	1.2	M+	1.4	M+	24	H	36	L	187	H+	421	L-	76	H+	6.4	5.4	6.2	0.09	10	1.2	3.1	21.6	73.7	0.4	25.9	1755
	CFI 12			12 post	1.88	14	727	H+	69	M	0.2	L-	1	M	1.9	L	50	H+	37	M	177	H+	629	L	61	H+	6.6	5.7	2.1	0.11	8	1.7	3.6	37.2	56.7	0.7	42.5	1656
	CFI 13	A	GSP	18 pre	1.6	5	455	H+	59	L	0.3	M+	0.7	L	0.9	M	18	M+	41	M	140	H+	371	L-	44	H	6.6	5.8	5.2	0.07	7	1.8	4.8	26	67.2	0.3	32.6	1836
	CFI 14			18 mid	2.36	14	602	H+	93	M	0.2	M	1.1	M+	2.2	M+	35	H+	45	M	181	H+	517	L	80	H+	6.5	5.5	8.3	0.17	9	2.2	4.1	28	65.1	0.7	34.3	1661
	CFI 15			18 post	0.84	11	392	H+	41	L	0.1	L-	0.6	L	1	L	39	H+	29	L	107	H	283	L-	37	M+	6.8	5.6	5.2	0.1	4	2.1	5.8	33.8	57.3	1.1	41.7	1740
	CFI 16	B	Mod	18 pre	0.92	5	359	H	44	L-	0.2	M	0.6	L	0.6	M	27	H+	27	L	107	H	230	L-	38	M+	6.8	5.6	3.4	0.06	4	2.4	5.8	29.6	61.7	0.6	37.8	1892
	CFI 17			18 mid	1.5	5	559	H+	54	L	0.2	M	1.1	M+	1.2	M+	20	H	33	L	182	H+	350	L-	66	H+	6.4	5.4	4	0.08	9	1.2	2.9	18.7	76.9	0.2	22.8	1649
	CFI 18			18 post	1.34	13	457	H+	51	L	0.2	L-	0.7	L	1.1	L	66	H+	33	L	137	H+	359	L-	47	H	6.6	5.6	3.2	0.13	7	1.5	3.9	25.5	68.2	0.8	30.9	1806



APPENDIX 1A-2

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_RAT	Cu	Cu_RAT	Zn	Zn_RAT	S	S_RAT	Mg	Mg_RAT	Fe	Fe_RAT	Ca	Ca_RAT	Mn	MN_RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES	
G	CFI 19	A	Mod	6 pre	2.27	7	569	H+	235	H	0.4	M+	1.2	M+	3	M+	13	M+	65	M	175	H+	1055	M	45	H	7	6.1	24.5	0.25	6	7.9	8.5	83.1	0	0.5	99.5	1717	
	CFI 20			6 mid	2.29	10	536	H+	225	H	0.5	H	1.3	M+	3.5	H	43	H+	72	M	158	H+	872	M	47	H	6.4	5.2	92.3	0.5	13	3.8	4.7	34.4	56.8	0.3	42.9	1468	
	CFI 21			6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 22	B	GSP	6 pre	2.33	9	608	H+	200	H	0.4	M+	1.3	M+	2.6	M+	15	M+	71	M	176	H+	956	M	37	M+	6.7	5.8	15.5	0.16	9	4.5	6.3	50.6	38.1	0.4	61.4	1782	
	CFI 23			6 mid	2.28	13	561	H+	242	H	0.7	H	1.1	M+	4	H	36	H+	78	M	170	H+	866	M	41	H	6.3	5.1	92.4	0.52	14	3.7	4.7	31	60.2	0.4	39.4	1687	
	CFI 24			6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 25	A	Mod	12 pre	2.34	9	474	H+	188	H	0.4	M+	1.2	M+	2.1	M+	15	M+	68	M	163	H+	943	M	42	H	6.7	5.9	15.2	0.14	9	4.3	6.1	50.6	38.6	0.4	61	1717	
	CFI 26			12 mid	2.32	13	569	H+	237	H	0.4	M+	1.4	M+	4.6	H	44	H+	75	M	180	H+	945	M	53	H+	6.4	5.1	NA	0.58	13	3.9	4.8	36	54.9	0.4	44.7	1622	
	CFI 27			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 28	B	GSP	12 pre	2.38	9	547	H+	160	H	0.4	M+	0.9	L	1.4	M+	16	M+	59	M	181	H+	756	L	28	M	6.6	5.9	8.1	0.08	9	3.6	5.2	40	50.8	0.4	48.8	1851	
	CFI 29			12 mid	2.28	16	616	H+	211	H	0.8	H	1.2	M+	3.1	H	32	H+	82	M	163	H+	887	M	42	H	6.4	5.1	75.8	0.4	13	3.5	5.3	34.5	56.1	0.5	43.3	1751	
	CFI 30			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 31	A	Mod	18 pre	1.74	6	298	H	122	M	0.3	M+	0.7	L	1.1	M+	10	M	63	M	116	H	761	L	38	M+	6.8	6	5.8	0.08	7	3.7	7.5	54.2	34.2	0.4	65.4	1810	
	CFI 32			18 mid	2.1	12	488	H+	183	H	0.3	M+	1.3	M+	2.8	M+	29	H+	68	M	158	H+	827	L	43	H	6.4	5.2	71.8	0.37	12	3.2	4.6	33.5	58.3	0.4	41.3	1529	
	CFI 33			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 34	B	GSP	18 pre	1.89	5	416	H+	123	M	0.3	M+	0.7	L	0.8	M	16	M+	50	M	163	H+	566	L	21	M	6.6	5.7	5	0.07	8	3.2	5	34	57.6	0.3	42.2	1947	
	CFI 35			18 mid	1.74	13	339	H	127	M+	0.3	M+	0.7	L	1.3	M+	19	M+	63	M	139	H+	586	L	24	M	6.4	5.1	33.8	0.21	11	2.5	4.8	26.7	65.6	0.5	34	1601	
	CFI 36			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



APPENDIX 1A-3

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_RAT	Cu	Cu_RAT	Zn	Zn_RAT	S	S_RAT	Mg	Mg_RAT	Fe	Fe_RAT	Ca	Ca_RAT	Mn	MN_RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
L	CFI 37	A	GSP	6 pre	3.44	9	231	M+	181	H	0.5	H	1.5	M+	1.2	M+	17	M+	58	M	185	H+	908	M	29	M	6.6	5.9	9	0.08	10	3.8	4.7	44.3	46.8	0.4	52.8	1670
	CFI 38			6 mid	2.98	14	186	M	158	H	0.2	M	1.3	M+	1	M	22	H	59	M	172	H+	693	L	50	H+	6.2	4.9	NA	0.56	14	2.4	3.5	24.8	68.8	0.4	30.7	1378
	CFI 39			6 post	3.02	17	237	M+	106	M	0.3	M+	1.4	M+	1.1	M+	29	H+	51	M	151	H+	662	L	53	H+	6.4	5.2	24.6	0.22	11	2	3.8	29.5	64.1	0.7	35.3	1532
	CFI 40	B	Mod	6 pre	3.02	9	306	H	162	H	0.5	H	1.8	M+	1.6	M+	19	M+	53	M	157	H+	775	L	39	M+	6.5	5.7	9.8	0.08	11	3.2	4.1	36.2	56.1	0.4	43.5	1696
	CFI 41			6 mid	3.2	14	279	H	334	H+	0.3	M+	1.5	M+	1.7	M+	35	H+	58	M	182	H+	788	L	50	H+	6.2	4.8	NA	0.71	15	4.8	3.3	26.6	64.9	0.4	34.7	1447
	CFI 42			6 post	3.25	18	288	H	143	M+	0.3	M+	1.8	M+	1.6	M+	45	H+	55	M	154	H+	832	L	42	H	6.4	5.3	13.6	0.18	12	2.5	3.8	34.1	59	0.6	40.4	1533
	CFI 43	A	GSP	12 pre	3.16	11	186	M	93	M	0.6	H	1.5	M+	1.1	M+	18	M+	54	M	175	H+	1012	M	24	M	6.6	5.9	11.5	0.09	11	1.9	4.3	47.9	45.5	0.5	54.1	1704
	CFI 44			12 mid	2.93	15	169	M	153	H	0.3	M+	1.2	M+	0.9	M	20	H	56	M	164	H+	713	L	44	H	6.3	5	93.6	0.53	13	2.5	3.6	27.8	65.5	0.5	33.9	1350
	CFI 45			12 post	2.94	19	164	M	60	L	0.3	M+	1.5	M+	0.9	M	22	H	48	M	138	H+	799	L	37	M+	6.6	5.2	38	0.27	9	1.4	4.3	42.5	51	0.9	48.2	1535
	CFI 46	B	Mod	12 pre	2.73	11	281	H	105	M	0.5	H	1.8	M+	1.4	M+	19	M+	51	M	149	H+	860	M	35	M+	6.5	5.7	12.3	0.09	11	2	3.9	39.1	54.6	0.4	45	1741
	CFI 47			12 mid	3.3	16	265	M+	268	H+	0.3	M+	1.5	M+	1.7	M+	43	H+	65	M	179	H+	879	M	45	H	6.3	4.9	NA	0.62	14	4.1	3.9	31.4	60.1	0.5	39.4	1423
	CFI 48			12 post	3.13	17	267	M+	83	M	0.4	M+	1.8	M+	1.4	M+	31	H+	51	M	156	H+	960	M	33	M+	6.5	5.5	24.4	0.2	11	1.5	3.7	41.8	52.3	0.6	47	1558
	CFI 49	A	GSP	18 pre	1.86	13	159	M	73	L	0.4	M+	0.6	L	0.5	M	16	M+	41	M	103	H	704	L	12	L	6.7	5.7	6.6	0.07	8	2	4.5	45.9	46.9	0.7	52.4	1859
	CFI 50			18 mid	2.94	15	162	M	108	M	0.3	M+	1.3	M+	0.7	M	20	H	52	M	165	H+	749	L	39	M+	6.4	5.2	54.2	0.33	12	2	3.7	32.1	61.7	0.6	37.8	1432
	CFI 51			18 post	2.5	17	150	L	51	L	0.3	M+	1	L	0.6	M	20	H	44	M	117	H	735	L	29	M	6.6	5.5	20.1	0.15	9	1.2	4.1	40.7	53.2	0.8	46	1510
	CFI 52	B	Mod	18 pre	1.9	11	235	M+	77	L	0.3	M+	1	L	0.8	M	20	H	46	M	116	H	710	L	30	M+	6.7	5.8	11.1	0.09	8	2.1	4.9	45.8	46.5	0.6	52.8	1752
	CFI 53			18 mid	3.02	15	252	M+	168	H	0.3	M+	1.5	M+	1.4	M+	23	H	60	M	172	H+	861	M	34	M+	6.3	5.2	82.1	0.44	14	2.6	3.7	31.6	61.6	0.5	37.9	1434
	CFI 54			18 post	2.57	15	208	M	70	L	0.3	M+	1.4	M+	0.9	M	26	H+	49	M	141	H+	863	M	28	M	6.6	5.6	17.1	0.15	10	1.5	4.2	44.3	49.3	0.7	50	1585



APPENDIX 1A-4

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B RAT	Cu	Cu_RAT	Zn	Zn_RAT	S	S RAT	Mg	Mg_RAT	Fe	Fe_RAT	Ca	Ca_RAT	Mn	MN_RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
J	CFI 55	A	GSP	6 pre	2.41	7	543	H+	241	H	0.5	H	1.2	M+	3.4	H	33	H+	63	M	180	H+	604	L	77	H+	6.6	5.5	12.7	0.13	9	5.8	5.9	34	54	0.3	45.7	1731
	CFI 56			6 mid	2.35	14	431	H+	137	M+	0.3	M+	0.6	L	2.8	M+	36	H+	59	M	151	H+	556	L	70	H+	6.2	4.9	64.7	0.36	13	2.2	3.7	21	72.6	0.5	26.9	1514
	CFI 57			6 post	2.48	13	421	H+	118	M	0.7	H	0.6	L	2.3	M+	66	H+	53	M	147	H+	533	L	73	H+	6.3	5	31.1	0.26	12	2.1	3.7	22.6	71.1	0.5	28.4	1622
	CFI 58	B	Mod	6 pre	2.47	6	442	H+	174	H	0.4	M+	0.7	L	2.2	M+	30	H+	71	M	188	H+	653	L	86	H+	6.7	5.8	12	0.1	8	4.7	7.5	41.6	45.8	0.3	53.8	2020
	CFI 59			6 mid	2.39	16	524	H+	157	H	0.5	H	1.1	M+	3.5	H	28	H+	71	M	164	H+	688	L	80	H+	6.3	4.9	75.9	0.42	13	2.6	4.6	26.8	65.4	0.5	34	1632
	CFI 60			6 post	2.09	16	531	H+	152	H	0.7	H	0.7	L	2.8	M+	42	H+	69	M	148	H+	633	L	73	H+	6.6	5.3	15.2	0.18	9	3.6	6.4	35.4	53.7	0.8	45.4	1648
	CFI 61	A	GSP	12 pre	2.32	9	486	H+	241	H	0.6	H	1.1	M+	2.9	M+	28	H+	65	M	165	H+	589	L	70	H+	6.6	5.6	13	0.11	9	5.8	6.1	33.3	54.3	0.4	45.2	1784
	CFI 62			12 mid	2.51	17	509	H+	166	H	0.3	M+	0.7	L	3.1	H	32	H+	65	M	181	H+	663	L	83	H+	6.3	5	46.2	0.27	13	2.8	4.3	26.1	66.2	0.6	33.2	1772
	CFI 63			12 post	2.43	11	357	H	112	M	0.4	M+	0.5	L	1.8	M+	41	H+	45	M	133	H+	509	L	62	H+	6.4	5.1	29.8	0.2	10	2.3	3.6	24.5	69.2	0.5	30.4	1615
	CFI 64	B		12 pre	2.14	9	402	H	156	H	0.5	H	0.7	L	1.5	M+	28	H+	61	M	133	H+	492	L	51	H+	6.6	5.5	12.9	0.1	8	4.1	6.2	30.2	59	0.5	40.5	1790
	CFI 65			12 mid	2.35	13	527	H+	209	H	0.5	H	0.8	L	2.8	M+	23	H	75	M	158	H+	730	L	70	H+	6.3	5.4	53.1	0.3	13	3.4	4.7	27.7	63.7	0.4	35.8	1556
	CFI 66			12 post	1.88	15	425	H+	131	M+	0.5	H	0.6	L	1.9	M+	29	H+	59	M	144	H+	609	L	65	H+	6.5	5.3	22.3	0.2	10	2.8	5	30.8	60.7	0.7	38.6	1645
	CFI 67	A	GSP	18 pre	1.45	7	198	M	210	H	0.4	M+	0.6	L	0.9	M	24	H	47	M	74	M+	380	L-	31	M+	6.7	5.7	12.4	0.09	6	7	6.1	29.8	56.5	0.5	42.9	2060
	CFI 68			18 mid	2.32	13	419	H+	162	H	0.4	M+	0.6	L	2.1	M+	30	H+	53	M	140	H+	537	L	69	H+	6.3	5	26.8	0.18	12	2.9	3.7	22.5	70.4	0.5	29.1	1591
	CFI 69			18 post	1.35	12	198	M	98	M	0.3	M+	0.2	L	0.7	M	30	H+	41	M	82	H	476	L	40	H	6.6	5.3	14.3	0.12	8	2.7	4.4	30.6	61.7	0.7	37.7	1688
	CFI 70	B	Mod	18 pre	1.41	7	203	M	137	M+	0.4	M+	0.4	L	0.6	M	31	H+	44	M	77	H	305	L-	27	M	6.7	5.5	8.2	0.08	6	5	6.3	26.2	61.9	0.5	37.5	2069
	CFI 71			18 mid	2.24	10	410	H	193	H	0.4	M+	0.7	L	1.9	M+	24	H	70	M	131	H+	632	L	59	H+	6.4	5.5	32.2	0.2	11	3.6	5.1	27.7	63.2	0.4	36.4	1622
	CFI 72			18 post	1.13	15	211	M	150	M+	0.5	H	0.3	L	0.8	M	25	H	69	M	74	M+	594	L	33	M+	6.7	5.6	17.7	0.14	8	4.3	7.6	39.4	47.8	0.9	51.3	1826



APPENDIX 1A-5

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
A	CFI 73	A	GSP	6 pre	2.28	9	381	H	102	M	0.4	M+	0.7	L	1.4	M+	13	M+	71	M	175	H+	878	M	45	H	6.7	5.8	13.2	0.09	9	2.5	6.7	49.7	40.7	0.4	58.9	1505
	CFI 74			6 mid	2.27	16	411	H	130	M+	0.2	M	0.7	L	1.1	M+	20	H	57	M	180	H+	599	L	65	H+	6.5	5	75.2	0.4	10	2.8	4.8	30.5	61.1	0.7	38.1	1534
	CFI 75			6 post	2.39	13	397	H	111	M	0.2	M	0.6	L	1.7	M+	19	M+	60	M	163	H+	754	L	50	H+	6.5	5.5	12	0.12	11	2.2	4.7	35.7	56.8	0.5	42.6	1542
	CFI 76	B	Mod	6 pre	2.28	10	372	H	98	M	0.3	M+	0.6	L	1.1	M+	12	M	77	M	162	H+	836	L	39	M+	6.6	5.9	9.3	0.07	10	2.1	6.5	42.3	48.6	0.4	50.9	1571
	CFI 77			6 mid	2.48	13	403	H	183	H	0.2	M	0.6	L	1.2	M+	56	H+	70	M	195	H+	570	L	63	H+	6.5	5	83.8	0.63	10	4	5.9	28.8	60.7	0.6	38.7	1611
	CFI 78			6 post	2.25	12	324	H	108	M	0.3	M+	0.5	L	1.3	M+	32	H+	85	M	145	H+	838	L	44	H	6.6	5.6	5.7	0.13	10	2.3	7.1	42	48.1	0.5	51.4	1515
	CFI 79	A	GSP	12 pre	2.34	11	369	H	156	H	0.4	M+	0.7	L	1.3	M+	14	M+	68	M	166	H+	785	L	40	H	6.7	5.8	12.2	0.09	8	3.9	6.7	46.3	42.5	0.6	56.9	1525
	CFI 80			12 mid	2.3	14	419	H+	135	M+	0.1	M	0.6	L	1.2	M+	19	M+	56	M	185	H+	550	L	64	H+	6.5	5.2	36.1	0.23	10	3	4.9	28.7	62.7	0.6	36.6	1597
	CFI 81			12 post	2.04	13	282	H	109	M	0.2	M	0.5	L	1.1	M+	17	M+	56	M	128	H+	701	L	36	M+	6.7	5.5	20.2	0.15	8	3	5.9	44.6	45.8	0.7	53.5	1621
	CFI 82	B	Mod	12 pre	2.05	8	356	H	157	H	0.3	M+	0.5	L	1	M	13	M+	72	M	134	H+	735	L	33	M+	6.7	5.8	7.7	0.07	8	4.1	7.3	44.6	43.7	0.4	56	1614
	CFI 83			12 mid	2.55	12	404	H	120	M	0.2	M	0.7	L	1.3	M+	27	H+	63	M	196	H+	607	L	55	H+	6.5	5.3	39.3	0.26	10	2.6	5.3	30.8	60.8	0.5	38.7	1599
	CFI 84			12 post	2.41	14	347	H	103	M	0.3	M+	0.6	L	1.7	M+	22	H	81	M	153	H+	857	M	39	M+	6.6	5.6	12	0.15	10	2.2	6.7	42.7	47.8	0.6	51.6	1509
	CFI 85	A	GSP	18 pre	1.1	7	237	M+	116	M	0.2	M	0.3	L	0.6	M	11	M	65	M	121	H	654	L	34	M+	6.9	6.1	5	0.06	5	4.7	10.2	61.8	22.7	0.6	76.7	1533
	CFI 86			18 mid	1.3	14	185	M	113	M	0	L-	0.3	L	0.4	M	17	M+	50	M	93	H	412	L-	27	M	6.8	5.7	9.4	0.08	5	4.7	8	39.8	46.3	1.2	52.5	1799
	CFI 87			18 post	1.36	11	169	M	94	M	0.2	M	0.2	L	0.3	M	13	M+	41	M	75	M+	493	L	18	M	6.8	5.7	10.7	0.1	5	3.7	6.3	45.2	44	0.9	55.2	1920
	CFI 88	B	Mod	18 pre	0.81	9	233	M+	106	M	0.1	M	0.2	L	0.4	M	8	M	64	M	59	M+	608	L	12	L	6.9	6	3.7	0.05	5	4.5	10.6	60.3	23.8	0.8	75.4	1858
	CFI 89			18 mid	2.34	14	406	H	129	M+	0.2	M	0.6	L	1.1	M+	24	H	68	M	197	H+	666	L	54	H+	6.6	5.5	30.6	0.34	9	3.1	6.3	36.9	53.1	0.7	46.3	1658
	CFI 90			18 post	1.33	13	220	M+	101	M	0.2	M	0.3	L	0.6	M	13	M+	80	M	97	H	789	L	25	M	6.8	5.8	10.9	0.12	7	3	9.2	54.2	32.9	0.8	66.4	1614



APPENDIX 1A-6

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_ RES
B	CFI 91	A	Mod	6 pre	2.2	10	405	H	112	M	0.3	M+	1.4	M+	0.9	M	14	M+	74	M	137	H+	654	L	35	M+	6.6	5.7	9.3	0.07	9	2.7	6.9	36.5	53.5	0.5	46.1	1672
	CFI 92			6 mid	2.3	17	407	H	142	M+	0.6	H	1.5	M+	0.7	M	25	H	64	M	142	H+	655	L	40	H	6.6	5.5	39.6	0.24	9	3.4	5.9	36.4	53.4	0.8	45.7	1750
	CFI 93			6 post	2.08	11	382	H	118	M	0.5	H	1.5	M+	1.2	M+	36	H+	52	M	126	H+	571	L	43	H	6.6	5.5	7.5	0.13	8	3	5.2	34	57.2	0.6	42.2	1593
	CFI 94	B	GSP	6 pre	2.46	9	366	H	99	M	0.3	M+	2.1	H	1.8	M+	20	H	60	M	144	H+	596	L	39	M+	6.5	5.6	6	0.06	10	2.2	5.1	30.6	61.7	0.4	37.9	1705
	CFI 95			6 mid	2.43	11	448	H+	114	M	0.4	M+	2.6	H	1.3	M+	34	H+	71	M	176	H+	655	L	57	H+	6.6	5.4	54.4	0.3	9	2.7	6.6	36.6	53.6	0.5	45.9	1584
	CFI 96			6 post	2.48	37	467	H+	117	M	0.7	H	2.8	H	3.2	H	84	H+	86	M	154	H+	685	L	61	H+	6.4	5.1	36.6	0.33	12	2.1	6.1	29.1	61.3	1.4	37.3	1625
	CFI 97	A	Mod	12 pre	2.35	8	479	H+	202	H	0.8	H	1.8	M+	1.3	M+	18	M+	82	M	207	H+	766	L	57	H+	6.7	5.8	14.7	0.11	9	5	8	44.6	42	0.4	57.6	1877
	CFI 98			12 mid	2.07	11	409	H	110	M	0.5	H	1.3	M+	0.7	M	22	H	59	M	132	H+	563	L	41	H	6.7	5.5	36.1	0.2	7	3.3	6.8	39.2	50.1	0.7	49.3	1742
	CFI 99			12 post	2.14	13	406	H	128	M+	0.6	H	1.6	M+	1.2	M+	38	H+	70	M	131	H+	746	L	45	H	6.6	5.5	35	0.23	9	2.9	6.2	39.5	50.8	0.6	48.6	1640
	CFI 100	B	GSP	12 pre	2.49	7	416	H+	208	H	0.7	H	2.4	H	2.1	M+	22	H	69	M	205	H+	729	L	59	H+	6.7	5.7	13.6	0.11	8	5.4	6.9	43.9	43.4	0.4	56.2	1883
	CFI 101			12 mid	2.59	13	463	H+	143	M+	0.5	H	2.5	H	1.2	M+	31	H+	76	M	180	H+	718	L	60	H+	6.6	5.3	84.2	0.42	9	3.3	6.7	38.3	51.1	0.6	48.3	1567
	CFI 102			12 post	2.52	19	395	H	121	M	0.7	H	2.6	H	1.8	M+	46	H+	104	M	142	H+	984	M	42	H	6.6	5.6	58.9	0.34	11	2.4	7.9	45	43.9	0.8	55.3	1590
	CFI 103	A	Mod	18 pre	1.3	5	358	H	168	H	0.6	H	1	L	0.7	M	13	M+	74	M	148	H+	595	L	50	H+	6.8	5.5	9	0.08	6	5.6	9.7	46.7	37.7	0.3	62	1927
	CFI 104			18 mid	1.49	12	259	M+	101	M	0.4	M+	0.9	L	0.3	M	20	H	51	M	96	H	452	L-	30	M+	6.7	5.5	20.8	0.14	7	3.3	6.5	34.5	54.9	0.8	44.3	1788
	CFI 105			18 post	1.69	13	286	H	118	M	0.5	H	1.1	M+	0.8	M	27	H+	59	M	103	H	662	L	32	M+	6.7	5.6	36.5	0.2	8	3.3	6.4	42.9	46.7	0.7	52.6	1646
	CFI 106	B	GSP	18 pre	1.43	12	232	M+	154	H	0.7	H	1.1	M+	1.1	M+	24	H	65	M	146	H+	543	L	38	M+	6.8	5.8	7.5	0.09	6	5.4	9	45	39.7	0.9	59.4	2092
	CFI 107			18 mid	2.16	12	309	H	139	M+	0.5	H	1.9	M+	0.8	M	22	H	69	M	133	H+	649	L	38	M+	6.7	5.7	33.8	0.22	8	3.8	7.4	41.8	46.3	0.7	53	1667
	CFI 108			18 post	1.38	16	333	H	89	M	0.3	M+	1.3	M+	0.7	M	22	H	82	M	134	H+	659	L	21	M	6.6	5.5	30.5	0.19	9	2.1	7.6	36.5	53.1	0.8	46.2	1664



APPENDIX 1A-7

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
K	CFI 109	A	Mod	6 pre	2.03	14	936	H+	454	H+	0.9	H	2.2	H	3.2	H	20	H	104	M	321	H+	1324	M	53	H+	6.8	5.8	15.2	0.31	11	8.9	7.9	60.6	22	0.6	77.4	1836
	CFI 110			6 mid	2.06	16	938	H+	293	H+	0.7	H	2	M+	2.8	M+	50	H+	99	M	230	H+	867	M	43	H	6.7	5.1	NA	0.57	9	6.6	8.7	45.8	38.1	0.7	61.1	1612
	CFI 111			6 post	2.04	13	812	H+	197	H	0.5	H	1.9	M+	3.2	H	59	H+	105	M	227	H+	965	M	43	H	6.5	5.3	46.4	0.34	12	3.5	7.2	39.6	49.3	0.5	50.3	1603
	CFI 112	B	GSP	6 pre	2.44	8	1105	H+	369	H+	0.9	H	4	H+	5	H	20	H	116	M	317	H+	1107	M	68	H+	6.8	6.1	5	0.12	10	8.1	9.9	56.9	24.7	0.4	74.9	1854
	CFI 113			6 mid	2.17	18	1087	H+	508	H+	0.7	H	2.4	H	3.9	H	108	H+	106	M	252	H+	837	L	74	H+	6.6	5.1	NA	0.76	11	9.8	8	37.9	43.5	0.7	55.7	1642
	CFI 114			6 post	2.01	21	800	H+	284	H+	0.6	H	2.7	H	4.2	H	76	H+	109	M	213	H+	934	M	62	H+	6.8	5.5	30.8	0.39	9	7	10.5	53.8	27.7	1.1	71.3	1562
	CFI 115	A	Mod	12 pre	1.91	8	869	H+	353	H+	0.8	H	2.1	H	2.6	M+	22	H	95	M	321	H+	875	M	51	H+	6.8	5.9	13	0.13	8	9	9.5	52.4	28.7	0.4	70.9	1872
	CFI 116			12 mid	2.04	16	1010	H+	351	H+	0.8	H	2.1	H	3.1	H	49	H+	100	M	251	H+	887	M	46	H	6.7	5.2	110	0.54	10	7.7	8.6	45.8	37.2	0.7	62.1	1694
	CFI 117			12 post	1.85	16	764	H+	190	H	0.5	H	1.9	M+	2.8	M+	51	H+	104	M	220	H+	936	M	39	M+	6.6	5.5	37.6	0.32	11	3.8	8	43.2	44.4	0.6	55	1613
	CFI 118	B	GSP	12 pre	2.08	11	898	H+	321	H+	0.8	H	3.8	H+	4	H	23	H	93	M	279	H+	926	M	57	H+	6.7	6	5.4	0.11	10	7	8	47.5	37	0.5	62.5	1879
	CFI 119			12 mid	2.1	21	984	H+	449	H+	0.7	H	2.3	H	3.9	H	83	H+	106	M	240	H+	883	M	62	H+	6.7	5.3	NA	0.71	10	9.6	8.9	44.4	36.2	0.9	62.9	1659
	CFI 120			12 post	1.97	16	762	H+	293	H+	0.6	H	2.6	H	4.1	H	61	H+	115	M	213	H+	993	M	54	H+	6.7	5.6	36.9	0.38	10	6.1	9.4	48.6	35.2	0.7	64.1	1578
	CFI 121	A	Mod	18 pre	0.85	14	437	H+	247	H	0.4	M+	0.7	L	0.8	M	17	M+	91	M	133	H+	610	L	24	M	6.8	5.5	6.6	0.08	7	7.8	11.2	44.9	35.3	0.9	63.9	1542
	CFI 122			18 mid	1.32	16	601	H+	235	H	0.5	H	1	L	1.4	M+	29	H+	85	M	147	H+	701	L	28	M	6.9	5.5	43.6	0.23	6	8.4	11.8	58.6	20.1	1.2	78.8	1664
	CFI 123			18 post	1.15	17	534	H+	157	H	0.4	M+	0.9	L	1.1	M+	28	H+	100	M	148	H+	804	L	27	M	6.7	5.5	27.3	0.2	9	3.8	9.4	45.4	40.6	0.8	58.6	1567
	CFI 124	B	GSP	18 pre	1.71	14	452	H+	200	H	0.6	H	1.7	M+	1.5	M+	27	H+	80	M	153	H+	695	L	25	M	6.8	6	4.9	0.09	7	6.1	9.5	49.4	34.1	0.9	65	1664
	CFI 125			18 mid	1.07	18	452	H+	297	H+	0.5	H	1	L	1.2	M+	30	H+	91	M	130	H+	723	L	41	H	7	5.7	30.6	0.22	5	12.5	14.9	71.1	0	1.5	98.5	1608
	CFI 126			18 post	1.25	19	584	H+	253	H	0.4	M+	1.6	M+	1.9	M+	42	H+	96	M	165	H+	809	L	38	M+	6.8	5.7	32.4	0.27	8	6.9	10.2	51.4	30.5	1	68.5	1641



APPENDIX 1A-8

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES	
H	CFI 127	A	GSP	6 pre	2.93	10	515	H+	91	M	0.3	M+	2	M+	1.9	M+	20	H	63	M	189	H+	696	L	32	M+	6.6	5.6	22.5	0.12	9	2.2	5.8	38.5	53.1	0.5	46.5	1586	
	CFI 128			6 mid	3.22	21	532	H+	109	M	0.4	M+	1.8	M+	4.5	H	28	H+	71	M	169	H+	814	L	43	H	6.3	5.1	39.5	0.38	13	1.7	4.4	30.4	62.8	0.7	36.5	1576	
	CFI 129			6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 130	B	Mod	6 pre	2.81	9	646	H+	95	M	0.4	M+	2.9	H	3.3	H	16	M+	77	M	201	H+	857	M	40	H	6.7	5.9	12.7	0.09	9	2.3	7.3	48.9	41.1	0.4	58.5	1589	
	CFI 131		use B for	6 mid	2.91	15	642	H+	139	M+	0.4	M+	2.1	H	3.8	H	48	H+	89	M	193	H+	753	L	43	H	6.3	5	76.3	0.5	13	2.2	5.6	28.4	63.3	0.5	36.2	1602	
	CFI 132		pre ref	6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 133	A	GSP	12 pre	2.95	9	433	H+	66	L	0.3	M+	1.9	M+	1.2	M+	22	H	51	M	167	H+	601	L	25	M	6.5	5.5	13.3	0.09	10	1.5	4.4	31.3	62.4	0.4	37.2	1807	
	CFI 134			12 mid	3.15	10	529	H+	95	M	0.3	M+	2.1	H	3.1	H	28	H+	53	M	173	H+	550	L	40	H	6.3	5.2	15.7	0.17	12	1.7	3.7	23.2	71	0.4	28.6	1639	
	CFI 135			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 136	B	Mod	12 pre	2.62	13	648	H+	83	M	0.4	M+	2.9	H	1.7	M+	22	H	63	M	213	H+	719	L	40	H	6.5	5.5	12.3	0.08	10	1.7	5.1	34.7	57.9	0.5	41.5	1727	
	CFI 137			12 mid	2.8	13	639	H+	102	M	0.3	M+	2.2	H	3.1	H	29	H+	65	M	199	H+	688	L	41	H	6.3	5.1	38.6	0.27	13	1.7	4.3	27.2	66.4	0.4	33.2	1749	
	CFI 138			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 139	A	GSP	18 pre	1.69	14	258	M+	66	L	0.2	M	1	L	0.8	M	25	H	47	M	204	H+	494	L	24	M	6.6	5.6	6.2	0.07	8	1.8	5	31.4	61	0.8	38.2	2175	
	CFI 140			18 mid	1.26	31	291	H	81	L	0.2	M	0.6	L	0.7	M	29	H+	42	M	113	H	345	L-	19	M	6.2	5	4.9	0.08	12	1.4	2.9	14.4	80.1	1.1	18.7	1848	
	CFI 141			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 142	B	Mod	18 pre	2.4	9	382	H	73	L	0.4	M+	2.5	H	1.3	M+	26	H+	53	M	199	H+	721	L	34	M+	6.5	5.6	7.7	0.07	10	1.5	4.3	35.2	58.6	0.4	41	2136	
	CFI 143			18 mid	1.62	22	377	H	73	L	0.3	M+	0.8	L	1	M	21	H	48	M	225	H+	445	L-	21	M	6.2	4.9	13.8	0.12	12	1.3	3.2	17.8	76.9	0.8	22.3	1696	
	CFI 144			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



APPENDIX 1A-9

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES	
E	CFI 145	A	Mod	6 pre	2.38	6	537	H+	109	M	0.4	M+	1.5	M+	5.1	H+	20	H	64	M	307	H+	565	L	93	H+	6.7	5.6	8.5	0.07	7	3.2	7.4	39.1	49.9	0.4	49.7	1695	
	CFI 146			6 mid	2.56	11	410	H	84	M	0.3	M+	1.3	M+	3.6	H	38	H+	48	M	199	H+	465	L	54	H+	6.2	4.8	43.2	0.24	13	1.4	3.2	18.5	76.5	0.4	23.1	1588	
	CFI 147			6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 148	B	GSP	6 pre	2.57	4	427	H+	111	M	0.4	M+	0.9	L	4.2	H	17	M+	70	M	328	H+	703	L	68	H+	6.7	5.8	9.3	0.07	8	3	7.3	44.2	45.3	0.2	54.5	1554	
	CFI 149			6 mid	2.96	12	371	H	122	M	0.3	M+	1.5	M+	3.3	H	46	H+	76	M	202	H+	760	L	48	H	6.4	5.3	43.6	0.32	12	2.2	5.3	31.8	60.3	0.4	39.3	1465	
	CFI 150			6 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 151	A	Mod	12 pre	2.36	8	445	H+	111	M	0.4	M+	1.5	M+	4.9	H	21	H	61	M	277	H+	541	L	87	H+	6.7	5.7	6.7	0.06	7	3.3	7.2	38.2	50.8	0.5	48.7	1671	
	CFI 152			12 mid	2.74	11	385	H	90	M	0.3	M+	1.3	M+	3.5	H	36	H+	48	M	184	H+	433	L-	47	H	6.3	4.9	29.7	0.19	11	1.7	3.6	19.3	75	0.4	24.6	1538	
	CFI 153			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 154	B	GSP	12 pre	2.36	9	302	H	117	M	0.4	M+	0.9	L	5.5	H+	19	M+	81	M	289	H+	777	L	66	H+	6.8	5.8	23.3	0.12	7	3.4	9.3	53.6	33.1	0.5	66.3	1546	
	CFI 155			12 mid	2.8	12	385	H	133	M+	0.3	M+	1.5	M+	3.4	H	39	H+	80	M	210	H+	763	L	50	H+	6.5	5.4	31.5	0.21	11	2.6	6.2	35.3	55.5	0.5	44.1	1385	
	CFI 156			12 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 157	A	Mod	18 pre	1.45	6	320	H	84	M	0.3	M+	0.8	L	1.7	M+	18	M+	46	M	205	H+	394	L-	89	H+	6.8	5.7	6.2	0.06	5	3.6	7.7	39.7	48.4	0.5	51	1745	
	CFI 158			18 mid	1.5	12	242	M+	95	M	0.1	M	0.5	L	0.9	M	19	M+	37	M	129	H+	320	L-	24	M	6.5	5.3	10.4	0.09	8	2.5	3.8	19.6	73.5	0.6	25.9	1600	
	CFI 159			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	CFI 160	B	GSP	18 pre	1.71	9	168	M	100	M	0.3	M+	0.6	L	1.4	M+	16	M+	73	M	215	H+	641	L	53	H+	6.9	6	6	0.06	5	4.1	11.6	60.9	22.8	0.7	76.6	1762	
	CFI 161			18 mid	1.91	12	110	L	81	L	0.3	M+	0.5	L	0.9	M	25	H	47	M	95	H	448	L-	20	M	6.5	5.5	8.2	0.09	9	2	4.4	25.3	67.7	0.6	31.7	1842	
	CFI 162			18 post	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



APPENDIX 1A-10

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
I	CFI 163	A	GSP	6 pre	2.41	12	246	M+	119	M	0.5	H	1	L	2.3	M+	14	M+	74	M	188	H+	868	M	49	H	6.8	6.4	4	0.06	8	3.3	8	56.6	31.3	0.7	67.9	1734
	CFI 164			6 mid	2.85	21	325	H	122	M	0.5	H	0.9	L	2.7	M+	91	H+	78	M	136	H+	984	M	41	H	6.8	5.6	72	0.58	8	3.1	7.8	59.1	28.8	1.1	70	1644
	CFI 165			6 post	2.59	43	312	H	122	M	1.1	H+	1	L	3	M+	104	H+	65	M	164	H+	782	L	45	H	6.7	5.5	23.9	0.52	8	3.1	6.4	46	42.4	2.2	55.5	1591
	CFI 166	B	Mod	6 pre	2.73	10	338	H	100	M	0.4	M+	1.1	M+	2.9	M+	15	M+	64	M	206	H+	764	L	43	H	6.6	6	8.1	0.07	9	2.3	5.7	40.6	51	0.5	48.6	1770
	CFI 167			6 mid	2.81	20	529	H+	336	H+	0.3	M+	1.2	M+	3.5	H	199	H+	99	M	169	H+	1041	M	43	H	6.7	5.5	52.9	0.64	10	6.9	7.9	49.9	34.5	0.8	64.7	1763
	CFI 168			6 post	2.57	41	443	H+	142	M+	0.6	H	1.4	M+	3.8	H	98	H+	75	M	191	H+	798	L	53	H+	6.7	5.6	19	0.38	9	3.5	7.2	45.9	41.4	2	56.6	1445
	CFI 169	A	GSP	12 pre	2.52	13	225	M+	113	M	0.5	H	0.9	L	1.9	M+	16	M+	65	M	197	H+	737	L	49	H	6.7	6.2	5.1	0.07	8	3	6.7	45.4	44.3	0.7	55.1	1746
	CFI 170			12 mid	2.61	19	281	H	115	M	0.5	H	0.9	L	1.8	M+	59	H+	73	M	127	H+	905	M	37	M+	6.8	5.7	50.1	0.36	8	3.1	7.7	57.6	30.5	1.1	68.4	1643
	CFI 171			12 post	2.61	46	273	H	138	M+	0.9	H	1.2	M+	2.5	M+	51	H+	82	M	162	H+	829	L	42	H	6.7	5.8	22.3	0.27	9	3.3	7.7	46.5	40.3	2.2	57.5	1640
	CFI 172	B	Mod	12 pre	2.54	13	245	M+	111	M	0.4	M+	1.1	M+	2.5	M+	15	M+	61	M	178	H+	723	L	37	M+	6.6	6	6.7	0.07	9	2.6	5.5	39.2	52.1	0.6	47.3	1840
	CFI 173			12 mid	2.98	19	338	H	147	M+	0.8	H	0.9	L	2.3	M+	81	H+	66	M	141	H+	781	L	30	M+	6.7	5.7	32.5	0.39	8	3.7	6.5	46.2	42.6	1	56.4	1539
	CFI 174			12 post	2.56	40	350	H	95	M	0.6	H	1.3	M+	2.7	M+	49	H+	60	M	175	H+	685	L	41	H	6.7	5.8	13.2	0.2	8	2.6	6.3	43.3	45.6	2.2	52.2	1534
	CFI 175	A	GSP	18 pre	1.48	7	95	L-	70	L	0.3	M+	0.3	L	0.7	M	20	H	35	L	125	H	367	L-	26	M	6.7	6.1	1.6	0.05	6	2.5	4.9	31.1	60.9	0.5	38.5	1949
	CFI 176			18 mid	2.59	17	245	M+	103	M	0.3	M+	0.8	L	1.5	M+	42	H+	66	M	116	H	790	L	30	M+	6.8	5.8	38.3	0.28	7	3.1	7.6	54.9	33.4	1	65.6	1728
	CFI 177			18 post	1.62	34	185	M	73	L	0.6	H	0.7	L	1.2	M+	31	H+	58	M	114	H	555	L	28	M	6.9	5.9	12.5	0.16	5	3.3	10.1	58.3	25.2	3.1	71.7	1674
	CFI 178	B	Mod	18 pre	1.55	10	119	L	80	L	0.3	M+	0.6	L	1.2	M+	19	M+	39	M	137	H+	407	L-	20	M	6.6	5.7	7.7	0.08	7	2.3	4.4	27.6	65.1	0.6	34.3	2000
	CFI 179			18 mid	2.75	20	247	M+	109	M	0.7	H	0.8	L	1.4	M+	39	H+	55	M	118	H	619	L	21	M	6.7	5.8	20	0.2	7	3.1	6.1	41.4	48.2	1.2	50.6	1647
	CFI 180			18 post	1.92	41	165	M	60	L	0.5	H	0.7	L	1	M	36	H+	30	L	114	H	360	L-	22	M	6.6	5.6	8.8	0.12	7	1.8	3.5	25.2	67.1	2.5	30.5	1797



APPENDIX 1A-11

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
D	CFI 181	A	Mod	6 pre	2.54	5	516	H+	76	L	0.3	M+	1.6	M+	3.3	H	16	M+	69	M	184	H+	883	M	65	H+	6.8	6.2	5.9	0.07	8	2.1	7.6	58.3	31.7	0.3	68	1645
	CFI 182			6 mid	3.01	16	561	H+	110	M	0.6	H	1.3	M+	2.9	M+	62	H+	92	M	143	H+	896	M	57	H+	6.8	5.6	68.8	0.47	8	3	9.6	56.3	30.2	0.9	68.9	1399
	CFI 183			6 post	2.84	29	543	H+	109	M	0.6	H	1.7	M+	4.4	H	48	H+	93	M	176	H+	972	M	68	H+	6.8	6	18.6	0.24	8	2.8	9.2	57.9	28.6	1.5	69.9	1569
	CFI 184	B	GSP	6 pre	2.67	6	471	H+	67	L	0.4	M+	1.7	M+	4.1	H	14	M+	85	M	200	H+	1015	M	88	H+	6.9	6.4	5.6	0.06	7	2	9.9	71	16.8	0.4	82.9	1529
	CFI 185			6 mid	3.15	8	635	H+	117	M	0.2	M	1.7	M+	4.4	H	48	H+	73	M	208	H+	923	M	108	H+	7	5.6	65.6	0.41	6	4.5	11	83.8	0	0.6	99.3	1408
	CFI 186			6 post	2.99	28	477	H+	93	M	0.6	H	1.5	M+	3.2	H	41	H+	80	M	157	H+	889	M	67	H+	7	5.9	10.8	0.2	5	3.7	12.3	81.8	0	2.2	97.8	1454
	CFI 187	A	Mod	12 pre	2.75	5	406	H	93	M	0.2	M	1.4	M+	2.8	M+	15	M+	69	M	163	H+	825	L	49	H	6.8	6.3	2.8	0.06	7	2.7	7.9	56.3	32.8	0.3	66.9	1703
	CFI 188			12 mid	3	12	375	H	81	L	0.5	H	1	L	2.8	M+	21	H	58	M	106	H	679	L	37	M+	6.9	5.9	36.5	0.22	5	3.3	9.1	64	22.6	1	76.4	1053
	CFI 189			12 post	2.81	29	432	H+	89	M	0.6	H	1.5	M+	3.3	H	38	H+	88	M	187	H+	961	M	51	H+	7.1	6	14.9	0.19	6	3.2	12.5	82.1	0	2.2	97.8	1525
	CFI 190	B	GSP	12 pre	2.14	3	332	H	75	L	0.3	M+	1.3	M+	2.6	M+	12	M	73	M	187	H+	848	L	65	H+	6.8	6.3	6.9	0.07	7	2.2	8.2	57.1	32.3	0.2	67.5	1605
	CFI 191			12 mid	3	13	612	H+	144	M+	0.3	M+	1.9	M+	4	H	42	H+	76	M	162	H+	1120	M	78	H+	6.9	5.9	37.6	0.31	8	3.9	8.1	71.8	15.4	0.7	83.8	1599
	CFI 192			12 post	2.33	25	247	M+	64	L	0.5	H	1.1	M+	1.9	M+	29	H+	74	M	97	H	852	L	32	M+	6.8	6.1	9.6	0.15	8	1.8	8.2	56.6	31.9	1.4	66.6	1745
	CFI 193	A	Mod	18 pre	1.64	3	203	M	71	L	0.1	M	0.6	L	1.1	M+	15	M+	43	M	135	H+	450	L-	23	M	6.7	6.1	2.2	0.05	6	2.4	5.6	35.3	56.5	0.2	43.3	1936
	CFI 194			18 mid	2.64	5	388	H	302	H+	0.2	M	1.3	M+	3.5	H	18	M+	95	M	307	H+	769	L	42	H	6.9	6.1	25	0.17	7	9.9	12.2	59.1	18.5	0.3	81.2	1386
	CFI 195			18 post	2.31	28	387	H	78	L	0.6	H	1	L	1.9	M+	30	H+	74	M	215	H+	725	L	35	M+	7	5.9	11.7	0.15	5	3.7	13.6	80	0	2.7	97.3	1604
	CFI 196	B	GSP	18 pre	1.76	5	156	L	61	L	0.2	M	0.6	L	1.1	M+	12	M	54	M	120	H	576	L	27	M	6.8	6.3	4	0.05	6	2.2	7.7	49	40.8	0.4	58.9	1891
	CFI 197			18 mid	2.89	12	592	H+	122	M	0.3	M+	1.9	M+	3.9	H	26	H+	67	M	168	H+	1140	M	77	H+	6.6	4.9	23.4	0.2	11	2.3	4.9	50.1	42.2	0.5	57.3	1587
	CFI 198			18 post	1.62	25	192	M	58	L	0.3	M+	0.7	L	1.2	M+	22	H	64	M	92	H	675	L	26	M	6.8	6.1	8.3	0.12	7	1.9	8.2	51.6	36.7	1.7	61.7	1752



APPENDIX 1A-12

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
F	CFI 199	A	GSP	6 pre	2.56	6	356	H	69	L	0.2	M	1.3	M+	1.9	M+	14	M+	103	M	310	H+	437	L-	66	H+	6.4	5.5	7.7	0.07	10	1.4	8.2	21	69.1	0.3	30.6	1414
	CFI 200			6 mid	2.44	17	511	H+	133	M+	0.2	M	1.8	M+	2.1	M+	52	H+	132	M	295	H+	534	L	82	H+	6.5	4.9	84.1	0.46	10	2.8	10.9	26.4	59.2	0.7	40.1	1385
	CFI 201			6 post	2.47	31	486	H+	108	M	0.6	H	1.7	M+	2	M+	44	H+	149	M+	294	H+	531	L	75	H+	6.6	5.5	15.9	0.2	9	2.5	13.7	29.3	53	1.5	45.5	1292
	CFI 202	B	Mod	6 pre	2.6	7	504	H+	69	L	0.2	M	1.5	M+	1.7	M+	14	M+	99	M	335	H+	447	L-	65	H+	6.5	5.4	10.9	0.08	9	1.6	8.9	24.2	65	0.3	34.7	1433
	CFI 203			6 mid	2.81	19	453	H+	136	M+	0.3	M+	1.4	M+	2	M+	85	H+	120	M	269	H+	444	L-	70	H+	6.5	4.9	45	0.35	10	3	10.4	23.1	62.5	0.9	36.5	1408
	CFI 204			6 post	2.38	35	484	H+	107	M	0.7	H	1.6	M+	2.4	M+	71	H+	118	M	325	H+	371	L-	71	H+	6.4	5.1	9	0.19	10	2.2	9.4	17.8	69.1	1.5	29.4	1359
	CFI 205	A	GSP	12 pre	2.3	9	240	M+	85	M	0.2	M	0.9	L	1.4	M+	15	M+	101	M	275	H+	371	L-	62	H+	6.6	5.7	6.9	0.08	8	2.4	10.9	24	62.2	0.5	37.3	1603
	CFI 206			12 mid	2.53	15	477	H+	106	M	0.2	M	1.6	M+	1.8	M+	32	H+	118	M	280	H+	477	L	75	H+	6.6	5	59.2	0.33	8	2.7	11.6	28.2	56.7	0.8	42.5	1274
	CFI 207			12 post	2.13	28	328	H	89	M	0.4	M+	1.1	M+	1.3	M+	27	H+	107	M	188	H+	381	L-	45	H	6.8	5.5	10.7	0.12	6	3.5	16.2	34.6	43.6	2.2	54.3	1642
	CFI 208	B	Mod	12 pre	2.29	9	358	H	80	L	0.2	M	1	L	1	M	14	M+	96	M	242	H+	369	L-	41	H	6.4	5.6	8.1	0.07	10	1.7	8	18.3	71.6	0.4	28	1773
	CFI 209			12 mid	2.59	15	434	H+	117	M	0.2	M	1.4	M+	1.9	M+	48	H+	119	M	255	H+	437	L-	65	H+	6.5	5	41.2	0.28	9	2.6	10.4	23	63.2	0.7	36	1422
	CFI 210			12 post	2.34	36	390	H	96	M	0.7	H	1.4	M+	2.1	M+	54	H+	100	M	337	H+	337	L-	61	H+	6.4	5.1	7.8	0.15	10	2	8.3	16.7	71.4	1.6	27	1394
	CFI 211	A	GSP	18 pre	1.66	7	359	H	65	L	0.1	M	0.6	L	0.8	M	17	M+	56	M	222	H+	231	L-	24	M	6.3	5.4	4.9	0.06	10	1.4	4.6	11.3	82.4	0.3	17.3	1973
	CFI 212			18 mid	2.63	13	474	H+	109	M	0.2	M	1.7	M+	1.8	M+	30	H+	123	M	282	H+	511	L	75	H+	6.6	5.1	47.7	0.28	9	2.7	11.8	29.5	55.4	0.7	44	1353
	CFI 213			18 post	1.33	34	198	M	74	L	0.4	M+	0.6	L	0.8	M	24	H	58	M	120	H	213	L-	24	M	6.6	5.4	6.8	0.09	7	2.4	7.3	16	72.1	2.2	25.7	1882
	CFI 214	B	Mod	18 pre	1.78	11	180	M	87	M	0.1	M	0.6	L	0.9	M	17	M+	62	M	200	H+	225	L-	36	M+	6.4	5.5	4.4	0.06	9	2	5.7	12.4	79.3	0.5	20.1	1960
	CFI 215			18 mid	2.38	15	404	H	155	H	0.2	M	1.2	M+	2	M+	36	H+	123	M	231	H+	437	L-	63	H+	6.6	5	46.7	0.31	8	3.9	12.2	26	57.1	0.8	42.1	1535
	CFI 216			18 post	1.66	29	295	H	82	M	0.5	H	1	L	1.5	M+	37	H+	68	M	240	H+	258	L-	45	H	6.4	5.2	6.1	0.1	9	1.9	6.1	13.8	76.9	1.3	21.8	1598



APPENDIX 1A-13

2014 PEI 4R Soil Test Data

Field Code	Code	Ref Pt	GSP / Mod	Depth "	OM	Na	P205	P RAT	K20	K RAT	B	B_ RAT	Cu	Cu_ RAT	Zn	Zn_ RAT	S	S_ RAT	Mg	Mg_ RAT	Fe	Fe_ RAT	Ca	Ca_ RAT	Mn	MN_ RAT	B pH	Water pH	NO3	Salt	CEC	PER_K	PER_MG	PER_CA	PER_H	PER_NA	TOT_PER	AL_RES
C	CFI 217	A	GSP	6 pre	2.39	11	346	H	136	M+	0.4	M+	0.6	L	1.7	M+	13	M+	79	M	315	H+	789	L	65	H+	6.7	6	6.4	0.07	9	3.4	7.7	46.2	42.1	0.6	57.3	1436
	CFI 218		use A for all	6 mid	2.54	20	561	H+	216	H	0.3	M+	1.2	M+	2.3	M+	105	H+	79	M	270	H+	780	L	67	H+	6.7	5	60.5	0.55	9	5.3	7.6	44.8	41.3	1	57.7	1428
	CFI 219		ref	6 post	2.3	41	473	H+	114	M	0.7	H	1.3	M+	2	M+	61	H+	82	M	286	H+	657	L	63	H+	6.6	5.4	15.9	0.26	9	2.7	7.4	35.7	52.2	1.9	45.8	1291
	CFI 220	B	Mod	6 pre	2.6	10	354	H	160	H	0.4	M+	1	L	2.4	M+	16	M+	67	M	421	H+	694	L	93	H+	6.5	5.7	7.7	0.08	10	3.3	5.4	33.3	57.6	0.4	42	1300
	CFI 221			6 mid	2.45	7	374	H	108	M	0.3	M+	0.7	L	3	M+	161	H+	55	M	388	H+	702	L	106	H+	6.6	5	63	0.55	9	2.6	5.1	38.9	53.2	0.3	46.6	1133
	CFI 222			6 post	2.35	35	363	H	124	M	0.7	H	0.9	L	3.6	H	98	H+	65	M	294	H+	656	L	83	H+	6.7	5.3	11.8	0.3	8	3.4	6.9	41.8	45.9	1.9	52.1	1157
	CFI 223	A	GSP	12 pre	2.1	8	297	H	106	M	0.5	H	0.7	L	1.1	M+	12	M	84	M	312	H+	757	L	59	H+	6.7	6	7.6	0.07	8	2.7	8.4	45.3	43.1	0.4	56.4	1420
	CFI 224			12 mid	2.38	17	516	H+	168	H	0.4	M+	1.1	M+	1.8	M+	52	H+	72	M	268	H+	756	L	54	H+	6.7	5.2	47.9	0.37	8	4.3	7.1	44.9	42.8	0.9	56.3	1446
	CFI 225			12 post	2.21	36	385	H	94	M	0.7	H	1.4	M+	1.6	M+	32	H+	85	M	251	H+	710	L	46	H	6.7	5.7	13	0.16	8	2.4	8.6	43.2	43.8	1.9	54.2	1337
	CFI 226	B	Mod	12 pre	2.55	9	335	H	113	M	0.6	H	1.4	M+	2.3	M+	16	M+	70	M	386	H+	717	L	105	H+	6.6	5.7	8.5	0.08	9	2.6	6.3	38.8	51.9	0.4	47.7	1296
	CFI 227			12 mid	2.7	7	347	H	97	M	0.2	M	0.7	L	2.8	M+	59	H+	52	M	388	H+	611	L	102	H+	6.7	5.1	67	0.42	7	2.8	5.9	41.7	49.1	0.4	50.4	1095
	CFI 228			12 post	2.16	27	321	H	88	M	0.7	H	0.9	L	2.6	M+	59	H+	62	M	276	H+	697	L	76	H+	6.7	5.5	12.6	0.2	8	2.4	6.5	44.1	45.5	1.5	53	1162
	CFI 229	A	GSP	18 pre	1.61	13	248	M+	110	M	0.4	M+	0.6	L	1	M	11	M	88	M	255	H+	662	L	49	H	6.8	6	5.2	0.06	7	3.5	10.9	49.1	35.6	0.8	63.5	1500
	CFI 230			18 mid	2.29	5	450	H+	139	M+	0.3	M+	1.2	M+	1.9	M+	51	H+	62	M	356	H+	602	L	82	H+	6.7	5.3	45.8	0.34	7	4	6.9	40.4	48.4	0.3	51.3	1232
	CFI 231			18 post	1.6	37	246	M+	88	M	0.5	H	0.7	L	1	M	27	H+	69	M	159	H+	522	L	26	M	6.7	5.7	9.1	0.13	7	2.6	8.1	36.6	50.5	2.3	47.3	1683
	CFI 232	B	Mod	18 pre	2.21	10	264	M+	95	M	0.5	H	1.3	M+	1.7	M+	16	M+	69	M	349	H+	609	L	83	H+	6.6	5.7	5.9	0.07	9	2.3	6.6	35.1	55.4	0.5	44	1389
	CFI 233			18 mid	2.17	6	321	H	86	M	0.2	M	0.7	L	2.4	M+	50	H+	57	M	382	H+	634	L	99	H+	6.7	5.3	53.7	0.31	7	2.5	6.4	42.5	48.3	0.3	51.4	1128
	CFI 234			18 post	1.46	33	233	M+	81	L	0.5	H	0.6	L	1.4	M+	38	H+	65	M	210	H+	592	L	53	H+	6.8	5.7	11	0.14	6	2.8	8.7	47.6	38.6	2.3	59.1	1262



APPENDIX 1B

2014 PEI 4R Petiole Data

Grower	Ref Pt	GSP / Mod	CA_R	P_R	MG_R	K_R	CU_R	NIT_N_R	ZINC_R	BORON_R	S_R
			%	%	%	%	ppm	%	ppm	ppm	ppm
A	A	GSP	1.16	0.28	0.40	9.95	4.10	NA	37.0	26.4	0.10
	B	Mod	1.22	0.22	0.49	8.46	3.31	NA	38.0	29.1	0.13
B	B	GSP	0.98	0.17	0.43	10.53	5.73	NA	106.0	27.0	0.13
	A	Mod	1.10	0.16	0.47	8.61	4.78	NA	91.8	29.8	0.12
C	A	GSP	0.97	0.22	0.37	10.82	2.85	3.43	92.7	26.6	0.14
	B	Mod	0.89	0.20	0.27	10.03	3.10	3.21	106.3	26.6	0.16
D	A	Mod	1.67	0.21	0.72	7.44	3.45	3.52	37.2	23.2	0.14
	B	GSP	1.69	0.19	0.63	8.83	2.35	3.42	32.6	23.4	0.12
E	B	GSP	1.10	0.30	0.41	8.41	2.80	2.17	37.4	28.2	0.20
	A	Mod	0.90	0.28	0.35	8.49	3.29	2.22	47.9	29.2	0.22
F	A	GSP	0.85	0.29	0.71	8.34	5.71	3.98	60.0	26.7	0.15
	B	Mod	0.90	0.23	0.72	8.80	5.05	3.62	55.2	26.5	0.12
GH	A	GSP	1.50	0.17	0.54	10.70	3.80	3.24	102.7	29.4	0.12
	B	Mod	1.15	0.21	0.41	10.54	3.48	3.09	115.1	25.7	0.14
IJ	A	GSP	1.11	0.26	0.63	10.47	3.84	2.99	94.9	38.1	0.14
	B	Mod	1.22	0.20	0.63	8.89	4.21	2.68	81.5	35.5	0.12
K	A	GSP	1.40	0.14	0.52	9.15	2.12	2.60	49.0	30.4	0.11
	B	Mod	1.23	0.13	0.44	9.81	1.76	2.51	59.0	27.9	0.12
L	A	GSP	0.80	0.30	0.30	10.42	3.78	2.89	77.5	26.3	0.16
	B	Mod	0.60	0.23	0.20	9.16	1.37	3.45	47.0	20.0	0.14
M	B	GSP	1.19	0.15	0.43	9.49	2.87	NA	90.1	28.3	0.13
	A	Mod	1.11	0.20	0.38	9.75	3.32	NA	96.9	27.0	0.14
N	A	GSP	1.34	0.25	0.45	9.89	3.63	3.81	45.7	26.0	0.14
	B	Mod	1.22	0.21	0.29	10.50	3.43	2.78	57.6	26.3	0.14
O	A	GSP	1.34	0.34	0.60	8.99	4.97	2.21	37.2	26.3	0.15
	B	Mod	1.23	0.35	0.56	7.01	4.37	1.78	31.1	24.7	0.14

APPENDIX 1C

2014 PEI 4R Whole Plant Data

Grower	Ref Pt	GSP / Mod	CA_R	P_R	MG_R	K_R	CU_R	FE_R	MOIST_R	N_R	ZINC_R	BORON_R	S_R
			%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm
A	A	GSP	1.43	0.34	0.50	5.68	4.89	543	8.10	4.95	68.8	25.8	0.30
	B	Mod	1.52	0.31	0.62	6.09	5.59	620	8.60	5.24	62.4	27.0	0.35
B	B	GSP	1.30	0.32	0.58	6.02	8.56	734	8.90	4.97	182.9	31.3	0.33
	A	Mod	1.45	0.26	0.63	4.91	6.31	779	8.90	4.77	103.7	41.6	0.29
C	A	GSP	1.02	0.38	0.39	7.05	7.26	NA	NA	NA	114.3	31.5	0.47
	B	Mod	1.69	0.33	0.63	4.62	5.64	NA	NA	NA	48.8	23.3	0.36
D	A	Mod	1.12	0.37	0.39	6.81	3.71	NA	NA	NA	117.3	32.9	0.46
	B	GSP	1.64	0.34	0.52	5.08	5.42	NA	NA	NA	50.7	23.0	0.37
E	B	GSP	1.52	0.32	0.52	4.88	4.55	574	8.30	4.99	80.7	29.3	0.44
	A	Mod	1.25	0.35	0.61	6.08	5.87	978	8.50	4.86	88.1	27.3	0.45
F	A	GSP	0.94	0.45	0.66	5.76	8.89	NA	NA	NA	127.3	50.1	0.48
	B	Mod	1.36	0.38	0.91	6.25	9.66	NA	NA	NA	130.1	51.2	0.47
GH	A	GSP	1.21	0.26	0.49	5.28	6.64	3479	11.80	4.71	125.0	24.2	0.25
	B	Mod	1.40	0.33	0.55	5.76	5.77	701	10.30	5.08	88.9	47.3	0.31
IJ	A	GSP	1.15	0.34	0.59	7.24	6.82	544	10.40	4.91	133.0	41.5	0.33
	B	Mod	1.17	0.27	0.55	5.44	8.13	1898	8.80	4.43	120.9	44.6	0.24
K	A	GSP	NA	NA	NA	NA	NA						
	B	Mod	NA	NA	NA	NA	NA						
L	A	GSP	1.25	0.40	0.42	7.18	5.06	689	7.20	5.79	148.8	31.7	0.40
	B	Mod	1.17	0.36	0.42	6.13	6.48	698	7.90	5.96	125.7	26.1	0.32
M	B	GSP	1.10	0.26	0.47	4.98	5.49	NA	11.90	4.36	103.3	39.5	0.27
	A	Mod	0.88	0.29	0.46	5.46	6.77	NA	11.30	4.41	111.4	34.6	0.27
N	A	GSP	1.19	0.40	0.46	6.01	6.74	579	10.10	5.86	50.5	23.3	0.38
	B	Mod	1.17	0.34	0.45	6.32	7.16	1744	10.00	5.46	67.2	25.7	0.33
O	A	GSP	1.41	0.33	0.54	4.98	8.08	764	8.00	4.71	79.6	27.2	0.38
	B	Mod	1.48	0.37	0.63	3.87	9.98	976	7.95	4.53	56.8	25.0	0.37

